

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-NANOG



Numéro de catalogue: 14295-1-AP

Phare

183 Publications

Informations de base

Numéro de catalogue:

14295-1-AP

Taille:

150ul, Concentration: 750 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG5645

Numéro d'acquisition GenBank:

BC160187

Identification du gène (NCBI):

79923

Nom complet:

Nanog homeobox

MW calculé

35 kDa

MW observés:

35-40 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:3000

IF 1:20-1:200

Applications

Applications testées:

FC, IF, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, porc, rat, souris

Contrôles positifs:

WB : cellules NCCIT, tissu cérébral de rat, tissu cérébral de souris, tissu embryonnaire de souris

IF : cellules souches embryonnaires humaines,

Informations générales

Nanog is a member of the homeobox family of DNA binding transcription factors and has been shown to maintain embryonic stem (ES) cell self-renewal independently of leukemia inhibitory factor (LIF)/Stat3. Nanog mRNA is present in pluripotent mouse and human cell lines, and absent from differentiated cells. Functionally, Nanog works together with other key pluripotent factors (Oct4, Sox2, and Lin28) to reprogram human fibroblasts and generate induced pluripotent stem (iPS) cells. These key factors form a regulatory network to support or limit each other's expression level, which maintains the properties of ES cells. Affinity purified rabbit anti-Nanog can be used to demonstrate pluripotency of ES and IPS cells. There are two kinds of variants could be recognized by NANOG, one is normal form (~39kd), the other is post-translation modified form (~48kd) (21136380). Nanog exists two isoforms with molecular weight 34.4 kDa and 31.9 kDa. (PMID: 21969378)

Publications notables

Autrice	Pubmed ID	Journal	Application
Ana Kojic	36194907	Stem Cell Res	IF
Chenlong Li	31558707	Cell Death Dis	WB
Chaoqun Liu	34551797	J Exp Clin Cancer Res	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

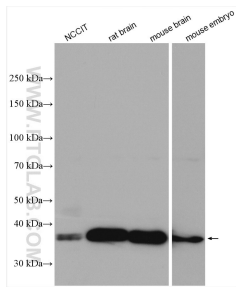
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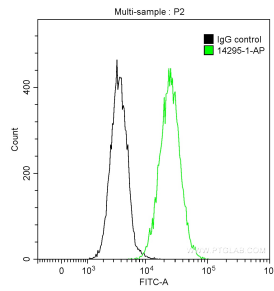
E: proteintech@ptglab.com
W: ptglab.com

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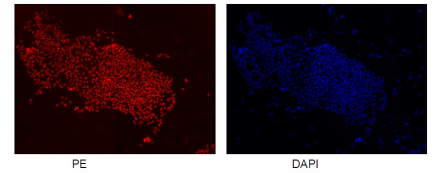
Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 14295-1-AP (NANOG antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



1×10^6 NCCIT cells were intracellularly stained with 0.2 μ g Anti-Human NANOG (14295-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.2 μ g Control Antibody. Cells were fixed with 90% MeOH.



Confocal immunofluorescent analysis of human embryonic stem cells with 14295-1-AP at dilution of 1:200. The PE shows staining with 14295-1-AP/PE. The DAPI shows nuclear staining by DAPI.

Confocal immunofluorescent analysis of human embryonic stem cells with 14295-1-AP at dilution of 1:200. The PE shows staining with 14295-1-AP/PE. The DAPI shows nuclear staining by DAPI.